

JAN 1 1 2002

3164 Gold Camp Drive Suite 200 Rancho Cordova, CA 95670-6021 U.S.A. 916/638-2085 FAX: 916/638-8385

January 8, 2002

Reverend Sura D. Phoenix First Christian Church 1190 Davis Street San Leandro, CA 94577 Mw Expris

Subject: Quarterly Groundwater Monitoring Report, Third Quarter 2001

First Christian Church
1190 Davis Street
San Leandro, California
Delta Project No. D000-306

Dear Reverend Phoenix:

Delta Environmental Consultants, Inc. is submitting the attached copy of the laboratory analytical results (Enclosure A) for the groundwater sample collected from monitoring well MW-5 during the third quarter 2001. This well is located at the First Christian Church, 1190 Davis Street, San Leandro, California. The groundwater sample was collected during quarterly sampling of the ARCO Products Company Service Station No. 2111, located at 1156 Davis Street, San Leandro, California.

If you have any questions regarding this letter, please call Steven Meeks at (916) 536-2613.

Sincerely,

**DELTA ENVIRONMENTAL CONSULTANTS, INC.** 

Steven W. Meeks, P.E.

Project Manager

SWM (CL011.306.doc)

Enclosure

Cc: Amir Gholami - ACHCSA

Paul Supple – ARCO Products Company

# ENCLOSURE A

Copy of Certified Analytical Results for Monitoring Well MW-5 And Chain of Custody



October 02, 2001

Steven Meeks
Delta Environmental Consultants(Rancho Cordova)
3164 Gold Camp Drive Ste. 200
Rancho Cordova, CA 95670
RE: ARCO 2111, San Leandro, CA / S109274



Enclosed are the results of analyses for samples received by the laboratory on 09/18/01. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ron Chew Client Services Representative Lito Diaz Laboratory Director

CA ELAP Certificate Number 1624



819 Striker Avenue, Suite 8 Sacramento, CA 95834 (916) 921-9600 FAX (916) 921-0100 www.sequoialabs.com

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Rancho Cordova CA, 95670

Project: ARCO 2111, San Leandro, CA

Project Number: N/A

Project Manager: Steven Meeks

Reported:

10/02/01 15:38

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-5-15'	S109274-01	Water	09/18/01 05:12	09/18/01 10:30

Sequoia Analytical - Sacramento



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### MTBE Confirmation by EPA Method 8260B

Sequoia Analytical - Sacramento

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5-15' (S109274-01) Water	Sampled: 09/18/01 05:1:	2 Receive	d: 09/18/	01 10:30				<u></u>	
Methyl tert-butyl ether	20000	400	ug/l	200	1100001	10/01/01	10/01/01	EPA 8260B	
Surrogate: 1,2-DCA-d4		111%	60-	140	"	"	17	"	



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# Total Purgeable Hydrocarbon, BTEX and MTBE by DHS LUFT

Sequoia Analytical - Sacramento

							<del></del>			
Analyte	•	Result	Reporting Limit Units Dilution Batch I		Prepared	Analyzed	Method	Notes		
MW-5-15' (S109274-01) Water	Sampl	ed: 09/18/01 05:12	Receive	d: 09/18	/01 10:30					
Purgeable Hydrocarbons		ND	10000	ug/l	200	1090222	09/20/01	09/20/01	DHS LUFT	
Benzene		ND	100	н	"	H	19	*	4	
Toluene		ND	100	н	n	н	11	7	H	
Ethylbenzene		ND	100	,,	77	FI	н	**	P	
Xylenes (total)		ND	100	**	*	**	"	19	п	
Methyl tert-butyl ether	ŧ.	22000	500	10	н	11	n		*	
Surrogate: a,a,a-Trifluorotoluene			95.0 %	60	-140	**	H .	"	H	



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10/02/01 15:38

## MTBE Confirmation by EPA Method 8260B - Quality Control Sequoia Analytical - Sacramento

Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes		
						·- <del></del>					
			Prepared	& Analyze	ed: 10/01/	01					
ND	2.0	ug/l									
46.9		rr	50.0		93.8	60-140					
			Prepared & Analyzed: 10/01/01								
52.2	2.0	ug/l	50.0		104	70-130					
47.7		"	50.0		95.4	60-140					
Sou	rce: S10928	0-02	Prepared	& Analyz	ed: 10/01/	01					
53.6	2.0	ug/l	50.0	ND	107	60-140					
49.7		"	50.0		99.4	60-140					
Sou	rce: S10928	0-02	Ртерагед	& Analyz	ed: 10/01/	01					
53.8	2.0	ug/l	50.0	ND	108	60-140	0.372	25			
49.6		"	50.0		99.2	60-140		<del></del>			
	ND 46.9 52.2 47.7 Sou 53.6 49.7 Sou 53.8	ND 2.0 46.9 52.2 2.0 47.7 Source: S10928 53.6 2.0 49.7 Source: S10928 53.8 2.0	ND   2.0   ug/l     46.9	Prepared   ND   2.0   ug/l	Prepared & Analyze	Prepared & Analyzed: 10/01/    ND   2.0   ug/l     46.9   "   50.0   93.8     Prepared & Analyzed: 10/01/    52.2   2.0   ug/l   50.0   104     47.7   "   50.0   95.4     Source: S109280-02   Prepared & Analyzed: 10/01/    53.6   2.0   ug/l   50.0   ND   107     49.7   "   50.0   99.4     Source: S109280-02   Prepared & Analyzed: 10/01/    53.8   2.0   ug/l   50.0   ND   108	Prepared & Analyzed: 10/01/01	Prepared & Analyzed: 10/01/01	Prepared & Analyzed: 10/01/01		



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Project Number: N/A

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# Total Purgeable Hydrocarbon, BTEX and MTBE by DHS LUFT - Quality Control Sequoia Analytical - Sacramento

	_	Reporting		Spike	Source		%REC		RPD							
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes						
Batch 1090222 - EPA 5030B (P/T)																
Blank (1090222-BLK1)				Prepared	& Analyz	ed: 09/20/	01									
Purgeable Hydrocarbons	ND	50	ug/i													
Benzene	ND	0.50	**													
Toluene	ND	0.50	**													
Ethylbenzene	ND	0.50	**													
Xylenes (total)	ND	0.50	Ħ													
Methyl tert-butyl ether	ND	2.5	н													
Surrogate: a,a,a-Trifluorotoluene	11.4		"	10.0		114	60-140									
LCS (1090222-BS1)				Prepared	& Analyze	ed: 09/20/	01									
Benzene	10.1	0.50	ug/l	10.0		101	70-130									
Toluene	9.77	0.50	"	0.01		97.7	70-130									
Ethylbenzene	9.80	0.50	n	10.0		98.0	70-130									
Xylenes (total)	29.5	0.50	n	30.0		98.3	70-130									
Methyl tert-butyl ether	10.9	2.5	н	10.0		109	70-130									
Surrogate: a,a,a-Trifluorotoluene	11.2		"	10.0		112	60-140									
Matrix Spike (1090222-MSI)	So	urce: S10922	8-08	Prepared	& Analyze	ed: 09/20/	01									
Вепделе	10.6	0.50	ug/I	10.0	ND	106	60-140									
Toluene	10.3	0.50	n	10.0	ND	103	60-140									
Ethylbenzene	10.4	0.50	"	10.0	ND	104	60-140									
Xylenes (total)	31.1	0.50	10	30.0	ND	104	60-140									
Methyl tert-butyl ether	12.9	2.5	**	10.0	ND	129	60-140									
Surrogate: a,a,a-Trifluorotoluene	11.6		"	10.0		116	60-140	-								
Matrix Spike Dup (1090222-MSD1)	Soi	urce: S10922	8-08	Prepared	& Analyze	d: 09/20/	01	40 0.00 25								
Benzene	10.6	0.50	ug/l	10.0	ND	106	60-140	0.00	25							
Гоluene	10.4	0.50	n	10.0	ND	104	60-140	0.966	25							
Ethylbenzene	10.5	0.50	17	10.0	ND	105	60-140	0.957	25							
Xylenes (total)	31.0	0.50	77	30.0	ND	103	60-140	0.322	25							
Methyl tert-butyl ether	13.8	2.5	17	10.0	ND	138	60-140	6.74	25							
Surrogate: a,a,a-Trifluorotoluene	11.1		н	10.0		111	60-140									



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#### Notes and Definitions

DET

Analyte DETECTED

ND

Analyte NOT DETECTED at or above the reporting limit

ΝR

Not Reported

dry

Sample results reported on a dry weight basis

RPD

Relative Percent Difference

ARCO	Produ	ucts (	Comp	ompany	>			Task Ordeno.  Address (Consultar	der No.	Qn	N.	27	11.	70	0						;	Ch	nain of Custody
ARCO Facili	y no. 2	111		Cit	y cility)	AN I	euw	lug		Project (Consu	manage Itant)	7	Yeu	_	Mu	e fe	15						Laboratory name
ARCO engin	eer		50	ople	<del>سور رست</del> سر		Telephon (ARCO)	e no.		Telepho (Consu	ne no/	16	530	1-2	613	Fax (Co	no. nsultan	11/6	16	36	<u>636</u>	53	Segunz Contract number
Consultant n	ame 7	214	<u> </u>	1				Address (Consultar	1)3/64	16	20/0	$Z_{\perp}$	Pinj	7 DI	2	Z	446	m	2	w	h		
				Matrix		Prese	rvation				8015	115 ⊒	0	386				Ş Q Q	0007000				Method of shipment
Sample 1.D.	Lab no.	Container no.	Soil	Water	Other	1cə	Acid	Sampling date	Sampling time	BTEX 602/EPA 8020	BTEX/TPH EPA M602/8020/8015	TPH Modified 8015 Gas □ Diesel□	Oil and Grease 413.1 □ 413.2 □	TPH EPA 418.1/SM503E	EPA 601/8010	EPA 624/8240	EPA 625/8270	TCLP Semi Metals⊡ VOA⊡ VOA□	CAM METALS EPA 69 TTLC STLC	Lead Org./IDHS  Lead EPA 7420/7421	MTBE		
03 DW5-1		6		又		又	又	9.1801	1		人				296		1-0				ᆺ		Special detection Limit/reporting
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	-				-						-	<u> </u>	-		-		-	-		-			Priority Rush 1 Business Day
Condition	of sample	<u>.</u>	,				<u> </u>			Ten	nperatur	e receiv	red:	ول			_1						Rush 2 Business Days
Relinquis	-		1/	7				501	1032	11		M	a	6	19	321	_	9	181	21	1030	2	Expedited 5 Business Days
Relinquis	ned by		7				Date Date		Tim		ceived b			· · · · · · · · · · · · · · · · · · ·	V.		Date			Time	· <del>- · ·</del>		Standard 10 Business Days

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